AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for the verification of anti-jamming in a communications system having several sensors or adaptive antennas, comprising the following steps :

estimating a mean power $[[\pi;\hat{}_y]]$ $\hat{\pi}_y$ of the output of the communications system,

estimating a respective power values Pu or P'u, of a station u, the antenna noise Pa or P'a, the thermal noise PT, or P'T,

estimating at least one of the following ratios :

~~$J_{tot}/S_{tot} = (\sum_{p=1}^{P} P_p) / (\sum_{u=1}^{U} P_u)$~~

$$J_{tot}/S_{tot} = \left(\sum_{p=1}^{P} P_p\right) / \left(\sum_{u=1}^{U} P_u\right)$$

with p = the jamming unit

= sum of the power values of the residual jamming units/sum of the power values of the stations on the reception band B

~~$J_{tot}/S_u = (\sum_{p=1}^{P} P_p) / P_u$~~

$$J_{tot}/S_u = \left(\sum_{p=1}^{P} P_p\right) / P_u$$

= sum of the power values of the residual jamming units/power of the station u in the reception band B.

$$J_u / S_u = \left(\sum_{p=1}^{P} P_{pu} \right) / P_u$$

with Ppu = power of the jamming unit p in the reception band Bu.
and comparing at least one of the three ratios with a threshold value.

2. (Currently Amended) The method for the verification of anti-jamming according to claim 1, comprising a step for estimating the mean power $[[\pi_y]]$ $\hat{\pi}_y$, for an output from a number K of samples, $y(k)$, $1 \le k \le K$ of this output, given by

$$\hat{\pi}_y \triangleq \frac{1}{K} \sum_{k=1}^{K} | y(k) |^2$$

3. (Currently Amended) The method for the verification of anti-jamming according to claim 1, comprising a step of estimation $\hat{P}_u, \hat{P}'_u$ of the power P_U , P'_U in using, firstly, a priori knowledge of the parameters w and G_{num} for a digital application of the adaptive filters and $|\alpha|^2$, w and G for an analog application of the filters and secondly the estimation of the parameters π_U and S_U.

4. (Currently Amended) The method for the verification of anti-jamming according to claim 1, comprising an estimation $\hat{P}_u, \hat{P}'_u$ of the power P_U, P'_U in using, firstly, a priori knowledge of the parameters w and G_{num} for a digital application of the adaptive filters

and $|\alpha|^2$, w and G for an analog application of the filters and secondly the estimation of the parameter η_a.

5. (Currently Amended) The method for the verification of anti-jamming according to claim 1, comprising a step of estimation ~~$P_i^{\Delta}{}_u$, $P_i^{\Delta}{}_u$~~ $\hat{P}_u$, $\hat{P}'_u$ of the power P_u, P'_u in using a priori knowledge of the parameters w and G_{num} for a digital application of the adaptive filters and $|\alpha|^2$, w and G for an analog application of the filters and secondly the estimation of the parameter η_T.

6. (Currently Amended) The method for the verification of anti-jamming according to claim 1, comprising a step of estimation ~~$J_i^{\Delta}{}_{tot}$ / $S_i^{\Delta}{}_{tot}$~~ $\hat{J}_{tot}$ / $\hat{S}_{tot}$, of the ratio J_{tot}/S_{tot} given by

~~$$J_i^{\Delta}{}_{tot} / S_i^{\Delta}{}_{tot} = (\pi_i^{\Delta}{}_y \cdot \sum_{u=1}^{U} P_i^{\Delta}{}_u - P_i^{\Delta}{}_a - P_i^{\Delta}{}_T) / (\sum_{u=1}^{U} P_i^{\Delta}{}_u)$$~~

$$\hat{J}_{tot} / \hat{S}_{tot} = (\hat{\pi}_y \cdot \sum_{u=1}^{U} \hat{P}_u - \hat{P}_a - \hat{P}_T) / (\sum_{u=1}^{U} \hat{P}_u)$$

7. (Currently Amended) The method for the verification of anti-jamming according to claim 1, comprising a step of estimation ~~$J_i^{\Delta}{}_{tot} / S_i^{\Delta}{}_u$~~ $\hat{J}_{tot} / \hat{S}_u$, of the ratio J_{tot}/S_u, given by

~~$$J_i^{\Delta}{}_{tot} / S_i^{\Delta}{}_u = (\pi_i^{\Delta}{}_y \cdot \sum_{u=1}^{U} P_i^{\Delta}{}_u - P_i^{\Delta}{}_a - P_i^{\Delta}{}_T) / P_i^{\Delta}{}_u$$~~

$$\hat{J}_{tot} / \hat{S}_u = (\hat{\pi}_y \cdot \sum_{u=1}^{U} \hat{P}_u - \hat{P}_a - \hat{P}_T) / \hat{P}_u$$

8. (Currently Amended) The method of verification of anti-jamming according to claim 1, comprising a step of estimation ~~$\hat{J}_i^{\Delta} / \hat{S}_{i\,u}^{\Delta}$~~ $\hat{J}/\hat{S}_u$ of the ratio J/S_U in using the total power of residual jamming units in the B_U band of the working station u given by

~~$$\hat{J}_i^{\Delta} / \hat{S}_{i\,u}^{\Delta} = (\hat{\pi}_{i\,yu}^{\Delta} - \hat{P}_{i\,u}^{\Delta} - \sum_{v \neq u} \hat{P}_{i\,vu}^{\Delta} - \hat{P}_{i\,au}^{\Delta} - \hat{P}_{i\,Tu}^{\Delta}) / \hat{P}_i^{\Delta}$$~~

$$\hat{J}/\hat{S}_u = (\hat{\pi}_{yu} - \hat{P}_u - \sum_{v \neq u} \hat{P}_{vu} - \hat{P}_{au} - \hat{P}_{Tu}) / \hat{P}$$

9. (Currently Amended) [[A]] The method of verification of anti-jamming according to claim 1 comprising a step of determination of the precision of estimation, and wherein this value is used to set the threshold.

10. (Canceled)

11. (Canceled)

12. (Previously Presented) A use of the method according to claim 1.

13. (Canceled)

14. (Canceled)